



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/772,759	01/30/2001	Ashok Kumar	00-5016	9443

32127 7590 04/22/2004

VERIZON CORPORATE SERVICES GROUP INC.
C/O CHRISTIAN R. ANDERSEN
600 HIDDEN RIDGE DRIVE
MAILCODE HQEO3H14
IRVING, TX 75038

EXAMINER

CHUONG, TRUC T

ART UNIT	PAPER NUMBER
----------	--------------

2174

DATE MAILED: 04/22/2004

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Plu

Office Action Summary	Application No. 09/772,759	Applicant(s) KUMAR ET AL.	
	Examiner Truc T Chuong	Art Unit 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-46 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2174

DETAILED ACTION

1. This communication is responsive to Amendment A, filed 02/05/04.
2. Claims 1-46 are pending in this application. Claims 1, 10, 21, 32, and 48 are independent claims. In Amendment A, claims 10-20 are amended. This action is made non-final.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 7, 18, 29, 35, and 44 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claims 7, 18, 29, and 35, the phrase "and/or" renders the claim indefinite because it is unclear whether the limitation(s) following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this

Art Unit: 2174

subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-4, 8-9, 10-11, 13-15, 19-20, 21-22, 24-26, 30-32, 36-37, 38-41, and 45-46 are rejected under 35 U.S.C. 102(e) as being anticipated by Planas et al. (U.S. Patent No. 6,112,015).

As to claim 1, Planas teaches a method of presenting to a user a visual representation of a frame resident at a central office of a telecommunications system, the method comprising:

accessing a database including data as to a current condition of the frame (col. 2 lines 25-46, and a basic icon is used to represent each network object, col. 5 lines 1-20);

displaying, based on the accessed data, a graphical representation of the frame, the graphical representation including a visual indication of the current condition of the frame (col. 2 lines 52-67, and col. 5 line 66-col. 6 line 5); and

allowing a user to interface with the graphical representation to effect a mapping between the frame and telecommunications lines leading to and from the frame (A conversion between the states and statuses specified by a given state model and the base states and supplementary states provided by the graphical representation preferably maps the more frequently occurring combinations of states or statuses from the state model onto base states, and the less frequently occurring combinations of states or statuses onto supplementary states, thereby minimizing the required number of modifier icons, col. 7 lines 36-62).

As to claim 2, Planas teaches a method according to claim 1, wherein the displaying step displays the graphical representation of the frame in response to the user specifying a particular frame from a particular central office in the telecommunications system (col. 7 lines 36-62, and col. 15 lines 15-24).

Art Unit: 2174

As to claim 3, Planas teaches a method according to claim 2, wherein the frame is made up of constituent blocks and the displaying step may display a particular block from a specified frame in response to the user's entry of coordinates for the block (enable to create sub levels of nodes or containers, col. 15 lines 13-35).

As to claim 4, Planas teaches a method according to claim 1, wherein the allowing step further allows the user to modify attributes of the selected frame (new elements added to the network, col. 15 lines 20-49).

As to claim 8, Planas teaches a method according to claim 1, further comprising the step of allowing the user to add a new frame at a selected central office of the telecommunications system (new elements added to the network, col. 15 lines 20-49).

As to claim 9, Planas teaches a method according to claim 8, wherein the user can specify a number of modules, shelves, and blocks per shelf for an added new frame (This will be referred to as a node icon. Identification symbols and numbers may be added to the basic icon to identify the type and capacity of the node it represents, col. 5 lines 13-40, a network element, col. 6 lines 21-40, and fig. 4a).

As to claim 10, this is a program product claim of method claim 1. Note the rejection of claim 1 above.

As to claim 11, Planas teaches a program storage device according to claim 10, wherein the code further comprises the database interface code, and the database interface code comprises a common gateway interface (CGI) application (By clicking on the information icon, detailed information is then displayed, col. 11 lines 25-40).

Art Unit: 2174

As to claims 13-15, they are program product claims of method claims 2-4. Note the rejections of claims 2-4 above respectively.

As to claims 19-20, they are program product claims of method claims 8-9. Note the rejections of claims 8-9 above respectively.

As to claims 21-22, they are system claims of program product claims 10-11. Note the rejections of claims 10-11 above respectively.

As to claims 24-26, they are system claims of program product claims 13-15. Note the rejections of claims 13-15 above respectively.

As to claims 30-31, they are system claims of program product claims 19-20. Note the rejections of claims 19-20 above respectively.

As to claim 32, it is similar in scope to claim 1; therefore, rejected under similar rationale.

As to claims 36-37, they are similar in scopes to claims 8-9 above; therefore, rejected under similar rationales.

As to claims 38-41, they are apparatus claims of method claims 1-4. Note the rejections of claims 1-4 above respectively.

As to claims 45-46, they are apparatus claims of method claims 8-9. Note the rejections of claims 8-9 above respectively.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2174

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 5-7, 16-18, 27-29, 33-35, and 42-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Planas et al. (U.S. Patent No. 6,112,015) in view of MacPhail (U.S. Patent No. 6,597,377 B1).

As to claim 5, Planas teaches a method according to claim 1, wherein the graphical representation of the frame displayed at the displaying step (note the rejection of claim 1 above); however, Planas does not teach the display step includes a first Web page showing a frame of a selected central office laid out as a matrix of constituent blocks. MacPhail clearly teaches a set of objects on a computer network, such as web pages, which are interrelated by links between the objects, and a set of pages (web site) dealing with technical support for a particular computer hardware system (col. 2 lines 21-29, 55-65, and figs. 2-3). It would have been obvious at the time of the invention that a person with ordinary skill in the art would want to have the Website displayed features of MacPhail in the Network Management GUI of Planas for easier monitoring and access of multiple hardware located at anywhere in the Network System.

As to claim 6, the modified Planas teaches a method according to claim 5, wherein the graphical representation of the frame is displayed at the displaying step (note the rejection of claim 1 above); however, Planas does not teach the displaying step includes a second Web page showing available pins on any block in the matrix, and allows the user to search for a block having a number of available pins entered by the user. MacPhail clearly teaches hierarchical levels of links to display on a Website in details each of the Network element and its relationships (col. 4 lines 3-52 and fig. 3). It would It would have been obvious at the time of the

Art Unit: 2174

invention that a person with ordinary skill in the art would want to use the detailed Website displayed features of MacPhail in the Network Management GUI of Planas to provide better ways to navigate the Network System with an appropriate reaction if there is any change to it.

As to claim 7, modified Planas teaches a method according to claim 6, wherein the allowing step allows the user to assign a jumper from a port on a switching card to an available pin and/or assign a jumper from an available pin to an outside plant feeder (Switches, col. 4 lines 3-16).

As to claims 16-18, they are program product claims of method claims 5-7. Note the rejections of claims 5-7 above respectively.

As to claims 27-29, they are system claims of program product claims 16-18. Note the rejections of claims 16-18 above respectively.

As to claims 33-35, they are similar in scopes to claims 5-7 above; therefore, rejected under similar rationales.

As to claims 42-44, they are apparatus claims of method claims 5-7. Note the rejections of claims 5-7 above respectively.

9. Claims 12 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Planas et al. (U.S. Patent No. 6,112,015) in view of Fields et al. (U.S. Patent No. 6,581,109 B1).

As to claim 12, Planas teaches a program storage device according to claim 10, wherein the code further comprises the database interface code (the superimposition of acronym subscripts and superscripts on top of the visual displays to avoid confusion, col. 1 lines 51-60); however, Planas does not teach the database interface code comprises a Java servlet. Fields

Art Unit: 2174

clearly teaches of using a Java servlet in his invention. It would have been obvious at the time of the invention, a person with ordinary skill in the art would want to utilize the Java servlet of Fields in the Network Management GUI of Planas to be able to run Java code from a server to improve performance.

As to claim 23, it is a system claim of program product claim 12. Note the rejection of claim 12 above.

Response to Arguments

Applicant's arguments with respect to claims 1-46 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Mayo et al. (U.S. Patent No. 5,751,965) teach HP OpenView, network monitoring, hardware, frames, and GUI (cols. 2-10 and figs. 3, 10-12).

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T Chuong whose telephone number is 703-305-5753. The examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on 703-308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2174

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Truc T. Chuong

04/13/04

Kristine Kincaid
KRISTINE KINCAID
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100